

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/003185

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 H04Q 7/24**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04Q 7/24, H04Q 7/20, H04Q 7/14, H04M 3/42

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and Applications for inventions, since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
KIPONET

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/06735 A2 (RHEE, Hyoung, Chan) 25-01-2001, see the whole document	1-20
A	WO 03/071815 A1 (SK-TELECOM CO., LTD) 28-08-2003, see the whole document	1-20
A	US 5692033 A (Bell Atlantic Network Services, Inc.) 25-11-1997, see the whole document	1-20
A	JP 2003-348239 A (SHOW ENGINEERING INC.) 05-12-2003, see the whole document	1-20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:  
 "A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier application or patent but published on or after the international filing date  
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)  
 "O" document referring to an oral disclosure, use, exhibition or other means  
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
 "&" document member of the same patent family

Date of the actual completion of the international search  
16 MARCH 2005 (16.03.2005)

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**18 MARCH 2005 (18.03.2005)**

Name and mailing address of the ISA/KR



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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 01/06735 A2	25-01-2001	EP 1157531 A2 KR 2000-12224 A JP 2003-505937 A	28-11-2001 06-03-2000 12-02-2003
WO 03/071815 A	28-08-2003	US 2004-132435 A1 EP 1479253 A1 KR 2002-56833 A JP 2003-283660 A	08-07-2004 24-11-2004 10-07-2002 03-10-2003
US 5692033 A	25-11-1997	NONE	
JP 2003-348239 A	05-12-2003	NONE	